AUSTRALIAN SOCIETY for LIMNOLOGY

Newsletter

Volume 11 Number 1

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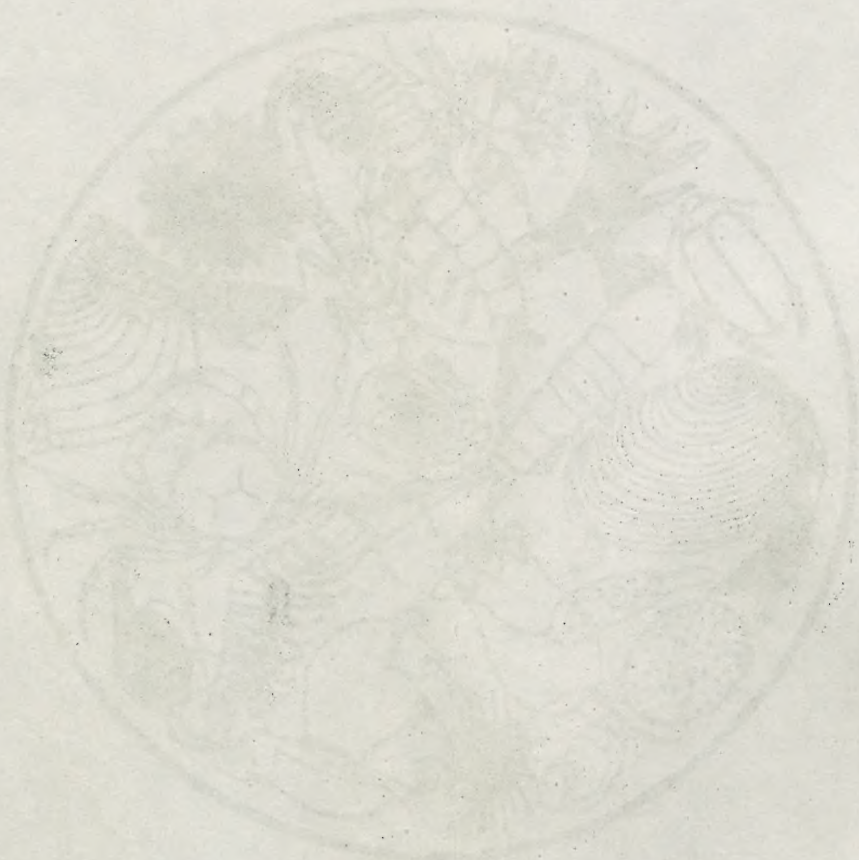

AUSTRALIAN SOCIETY FOR

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NEWSLETTER - VOL. 11 No. 1

April 1973

EDITORIAL

This Newsletter has been written at long-distance. It was compiled in Queensland and produced at Monash University in Victoria. I would like to thank Bill Williams, Graeme Farrington and Thea McConnell for their efforts in producing the Newsletter.

Michael G. GEDDES
Zoology Department
University of Queensland
St. Lucia
Queensland 4067

ITEMS OF INTEREST

The 1973 Conference

Members will have received information about arrangements for the 1973 A.S.L. conference. It will be held in Jamieson, Victoria, on 11-14 May inclusive. A big turn-out is expected and we seem assured of another highly successful meeting. If you require any further information on the conference contact the Secretary-Treasurer Jim Wharton, c/o Fisheries and Wildlife Department, 632 Bourke Street, Melbourne, 3000.

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Recently received from a library in New Zealand - a request for the "Australian Society for Criminology Newsletter"!

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Professor D.S. Johnson, who was well known to many Australian limnologists, died recently when on his sabbatical leave in Britain. He was attached to the University of Singapore where he had produced a large variety of work on Asian freshwater biology.

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Dartmouth environmental survey

This survey, which is now under way, is being coordinated by the State Rivers and Water Supply Commission under the auspices of the River Murray Commission. Several institutions and instrumentalities are involved. The survey of the invertebrate fauna is being carried out by the National Museum and two special staff have been appointed for the project assisted by the Curator of Invertebrates, Dr. B.J. Smith, and the Curator of Insects, Mr. A. Neboiss. The Project Officer for the Invertebrate Survey is Miss P. Morison, a Monash Zoology graduate; the technical assistant is Miss C. Kohlman.

The scope of the invertebrate survey is to look at the invertebrate fauna (except the micro-aquatic forms), both aquatic and terrestrial, of the inundation area of the new dam and to make some brief observations of the fauna in the rest of the catchment.

It is hoped to give a full report on the project at the next Congress.

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A circular has been received which contains advice on arrangements for undertaking research on Macquarie Island.

"With the formation of the Tasmanian National Parks and Wildlife Service, the Service has been appointed the administering authority for Macquarie Island, and as such will be acting in close liaison with the Antarctic Division in processing applications for research study to the Island.

In the event of any persons of your Organisation desiring to undertake research work on Macquarie Island, requests for information and applications should be addressed to:

The Director
National Parks and Wildlife Service
Post Office Box 210
Sandy Bay
Tasmania 7005 "

Applications for the visits next summer close on 30 April 1973.

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Symposium on "Ecology and Physiology of the Brackish Environment"

To celebrate the 50th anniversary of Dr. H.C. Redeke's basic work on brackish water typology, the Dutch Hydrobiological Society has organized an international symposium on "Ecology and Physiology of the Brackish Environment". It will be held at Amsterdam in the first week of September 1973.

The topics of this meeting, divided in sessions, will relate to all aspects of the brackish region (estuaries, rocky and sedimentary substrates) such as biogeography (diversity, communities), system analysis (production, energy flow), consequences of pollution (chemical), thermal), autecology (biology, migration, drift), and physiology (osmotic and ionic regulation, salinity-temperature regulation, reproduction, growth and development, metabolism). The papers will be published.

For application (with full name, title, address, title of paper) contact:

Jaap Dorgelo,
Department of Experimental Ecology
University of Amsterdam
Kruislaan 320
Amsterdam, The Netherlands

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Lake Restoration Study

The Environmental Resources Unit of the University of Wisconsin has asked for assistance in making an inventory of studies on lake restoration. Their letter is published here as it may be of interest to members.

"As you know, there is a growing number of lakes and reservoirs throughout the world that are exhibiting problems associated with advanced eutrophication and/or sedimentation. Several restoration programmes are either under way or are now being planned. These efforts would be greatly aided by an inventory and assessment of the status of lake restoration activities worldwide. As part of an Inland Lake Demonstration Project, we are trying to fill this need by summarizing the objectives and findings of completed and ongoing lake restoration work.

Our main concern involves activities initiated to remedy or prevent problems caused by nutrient enrichment and/or sedimentation. Lake restoration approaches have been designed 1) to limit further nutrient or sediment inputs, 2) to remove nutrients or sediments from the lake system, and 3) to manage the eutrophic environment for enhanced conditions. We want to include lake management activities that have a lake restoration dimension to them and for which some documentation is available.

The preparation of this report will require the assistance of every agency and individual involved in lake restoration activities. If you have completed or are conducting a lake restoration project, please write to us to obtain a questionnaire. We ask for and need your full cooperation. Names of other people to be contacted would also be helpful and appreciated; if you are unable to provide information, please post these materials and/or refer them to other individuals. All contributors will be acknowledged and furnished a copy of the completed report.

Signed: Russell Dunst
Project Coordinator
Inland Lake Demonstration Project
University of Wisconsin
Wisconsin Department of
Natural Resources"

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Lake Pedder Enquiry

Dr Ian Williams has recently been appointed a member of the 4-man Committee of Enquiry. Dr. Bill Bayly's role in this will be to provide the "ecological expertise". Other members: Prof. John Burton, Mr. Edward St. John, Mr. Doug. Hill.

WDW

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Book review

Willis J.H. "Handbook to Plants in Victoria", Vol. 2. Published by Melbourne University Press, January 1973. Recommended price $21.00.

The much-needed and long-awaited companion to Volume 1 considers the 2,290 species (including 550 introduced ones) of dicotyledons in Victoria. It takes the form of annotated keys. These are objective (i.e. such diffuse terms as "wide", "short" are rarely used) and the italicizing of major points is particularly helpful. For each species, reference is made to the original description, sources of illustrations are noted and the common name is included. Distribution within Victoria is given, and as well occurrence in other states is noted, so that the book is of considerable value throughout south-eastern Australia.

Thus it is similar in format to Volume 1; but to save space (and costs) there has been a reduction in the number of references to illustrations, distributional data is by map grid letter instead of locality lists and diagnosis for species in monotypic genera have been deleted. Personally I object to the latter as it means, especially in the case of species in monotypic families (e.g. Ceratophyllum demersum in the Ceratophyllaceae), that identification is based entirely on two to three characters in the main key.

For the professional botanist this volume is invaluable. Mr. Willis has made every effort to incorporate results of recent taxonomic research and in those groups or species where difficulties still persist there are helpful notes. Thorough collecting and meticulous work have resulted in a handbook without peer in Australia. Undoubtedly it will be a major and widely used reference not only in Victoria, but throughout Australia and even beyond.

Contrary to the claim on the dust cover, this handbook will not readily endear itself to most amateur botanists. Of necessity, many of the keys rely on minute characters, there are no illustrations, nor is there a glossary. The references to illustrations are of limited use, for one would need a huge library to contain them all and besides they are of varying standards and presentation.

Unless we limnologists are also expert botanists then this volume is of limited use to us. Understandably no particular attention is given to aquatic plants and the inexperienced or partly-experienced will have great difficulty in identifying their aquatic macrophytes with it. Exceptions are those aquatics with all leaves permanently submerged - these key out readily. Still this volume, together with Volume 1 which in treating the monocotyledons includes the greater majority of aquatics, allows for ready identifications by experts.

To me the greatest disadvantage is the lack of illustrations - one of each genus would be ideal, but even one per family would be helpful. As already pointed out, reference to illustrations in other works is usually unsatisfactory. The lack of a glossary is not too worrying; good ones are available in other books. In all other aspects the book is beyond questioning. Printing, format and text are all of a high standard and the publishers and author are to be congratulated.

At $21.00 the handbook seems rather expensive, but considering it covers all the dicotyledons and will be the standard reference for decades (and hence will be used extensively), the price is realistic. I recommend it to technical libraries, professional botanists, experienced amateurs and to those limnologists with at least some botanical insight.

B.V. Timms
Avondale College
Cooranbong, N.S.W.

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International Association on Water Pollution Research

Ian Small who represents the A.S.L. on the Australian National Committee of I.A.W.P.R. has forwarded the 1972 "Chairman's Report" of that body. Excerpts of that report are reproduced here.

"The 6th International Conference held in Jerusalem in June was attended by about twenty Australians, all of whom I believe were impressed both by the excellent conference organization and programme and by the progress being made in Israel in the water and wastewater fields. At this meeting the I.A.W.P.R. Governing Board approved of our application to hold the 1976 International Conference in Australia, most probably in Sydney. This will be a challenge to the National Committee's ability and enthusiasm and the time to demonstrate that these qualities will be fully available is now. Preliminary steps already taken will be outlined at the Annual Meeting and authority will need to be given to a small group of people to press this matter forward. Here again we will be looking to members to express views and take responsibility.

"As one of the senior members of the National Committee, A.W.W.A. (also an Associate Member of I.A.W.P.R.) is understood to be considering playing a major role in the 1976 conference, possibly as a co-sponsor. It would be appreciated if other organizations could give thought to this and bring their views to the Annual Meeting so that the enthusiasm of the initial organizing group can be built on a wide base member support.

"At the Governing Board meetings the decision was made to continue with the two-year interval between conferences. The next conference, the Seventh, will be held in Paris in 1974, the Eighth in Australia in 1976, the Ninth in Sweden in 1978 and the Tenth in Canada in 1980.

"Dr. Gerry Stander of South Africa was re-elected I.A.W.P.R. President for a further two years during which time it is proposed that a permanent secretariat will be established, probably somewhere in Europe.

"Mr. C.D. Parker was named as a member of the Programme Committee and Mr. H.L. Jones was elected Vice President of the Paris conference, both appointments indicating the growing significance to the Association of Australian membership and at the same time the importance to Australia of the I.A.W.P.R. connection. In the future there is no doubt that many other Australians will take senior roles and responsibilities in the Association's affairs."

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Wanted alive: REWARD

Lethocerus - Hemiptera, Heteroptera

Anyone knowing the whereabouts of the GIANT WATER BUG, Lethocerus is requested to contact Malcolm Thorne, Zoology Department, University of Queensland, Brisbane 4067. The informant will be handsomely rewarded (50c for each live specimen).

DESCRIPTION: Lethocerus (insulanus, distinctifemur or other) sometimes known as the "toe biter" is about 4.5 cm (two-and-a-quarter inches) long. You can't miss it, it's the biggest bug around. The grasping fore-legs are directed forwards and the mid- and hind-legs directed backwards. The hind-legs are the major swimming legs.

LOCATION: Large bodies of standing water, swimming pools, around lights at night.

HOW TO CLAIM YOUR REWARD: Specimens may be packed in polythene bags together with damp water-weeds, moss, etc., and enclosed in a perforated tin or cardboard box. They should be sent air-freight to the above address. Any freight costs will be reimbursed together with payment of 50c per live specimen.

The animals are needed alive to elucidate aspects of the functioning of the thoracic gland system. Unlike many terrestrial bugs which produce a stinking secretion from metathoracic glands Lethocerus produces a secretion with a "pleasant" odour.

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REPORTS FROM INSTITUTIONS ENGAGED IN LIMNOLOGY

Fisheries and Wildlife Department, Victoria

Freshwater Fisheries Section

The most obvious aspect of the work of the Freshwater Fisheries Section is the Snobs Creek Fish Hatchery and Research Station near Eildon. The annual crop from this establishment has been as high as 2¼ million but is now stabilized at half a million brown trout and half a million rainbow trout averaging 9-10 cm in length.

Most of the 22 staff members are engaged in the production and distribution of these fish; but the hatchery has become such a tourist attraction that the staff includes a full time guide to handle in excess of 40,000 annual visitors.

Research activities at Snobs Creek are under the control of Len Ashburner whose interests are parasitology, pathology and nutrition, primarily of hatchery trout but also on a broader scale.

The eventual destinations of the Snobs Creek fish are decided at an annual Trout Management Conference, which involves research staff at Heidelberg, country-based enforcement officers, and some hatchery staff. This enables last minute revision of the current liberation season and planning for the next one in the light of the success, or otherwise, of the last year's management measures and the estimated crop from the hatchery.

Research into the trout fishery is carried out by Barry Tunbridge who is based at Heidelberg. Barry, during the past six years, has been carrying out population surveys of rivers and lakes throughout Victoria. This was initially done to assess the state of the trout populations and provide us with some firm data on which to base our management. It was this work which enabled us to revoke many of the existing trout regulations in 1970.

His current survey work is aimed at filling in gaps in the State-wide population picture, as well as assessing the effect of new stocking policies and the virtual absence of trout regulations.

Barry has recently completed a long-term study of Cairn Curran Reservoir to determine what competition exists between trout and redfin.

Native fish research is in the hands of Peter Rogan who has centred his efforts on Macquarie perch. His work originally involved long-term biological surveys of natural populations, principally in Lakes Eildon and Nillahcootie. These and other populations of Macquarie perch have declined so drastically in recent years that he is now concentrating on artificial ripening and propagation as a means to save this species.

Our Murray cod management is at present confined to the Lake Charlegrark area in the west of the State. This small lake was stocked with Murray cod in 1950 and now annually produces large numbers of small fish. With the assistance of local angling organisations we have transferred small Murray cod to lakes and rivers in the Wimmera region, where we hope to establish new populations of this fish which is all too scarce in Victoria.

Other commitments of the Section include the coordination of river improvement works in conjunction with the State Rivers and Water Supply Commission and the various River Improvement Trusts; provision of information as a basis for policy statements by the Land Conservation Council and Environment Protection Authority; supervision and development of commercial fisheries and aquaculture; and the time-consuming task of inspecting the million tropical fish annually imported into Victoria.

A quarterly publication, the Freshwater Fisheries Newsletter, is produced within the Section and is distributed free to all Victorian angling clubs and enforcement officers. This provides an important opportunity to keep interested parties informed of our recent activities and to relay factual information and our views on various fisheries matters.

We are also producing a complete, informative and authoritative guide to the inland angling waters of Victoria. (Should be on sale some time in 1973 - please buy one.)

Throughout 1973 and for some years after we will be heavily committed to an ecological survey of the area to be affected by the Dartmouth Dam. This survey, involving the Fisheries and Wildlife Department, the State Rivers and Water Supply Commission, and the Forests Commission has been authorised by the River Murray Commission. The expense of the survey will be considered as a charge against the construction cost of the Dam. Following on from the Lake Pedder controversy, this action must be regarded by A.S.L. members as a most encouraging step.

The only responsibilities remaining in the Section are those of coordinating, organizing, directing and backing up all the previously mentioned activities. This is accomplished by Don Buckmaster, our officer-in-charge and Charles Barnham, our administration officer, without whose efforts the Section could not function as such.

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MINUTES OF MEETINGS

Third Meeting of Executive Committee - 1 November 1972

Arthur Rylah Institute for Environmental Research Heidelberg

Present: Mr. G. Arnott, Mr. M. Geddes, Dr. I.D. Hiscock, Mr. J.C. Wharton (Secretary-Treasurer), Dr. W.D. Williams (President)

Apologies: Mr. D.D. Lynch, Mr. H. Midgley, Dr. D.F. McMichael, Mr. N. Ruello, Mr. R. Tilzey

1. Confirmation of Minutes

The Minutes of the previous meeting of the Executive Committee on 9 August were circulated and were confirmed.

2. Accounts

There were no accounts for payment.

3. Matters arising from Minutes

(a) Transfer of accounts - the Secretary-Treasurer advised that the Society's general account had been transferred to the A.N.Z. Bank at Notting Hill.

(b) Transfer of Library - the Secretary-Treasurer advised that he had received a letter from Richard Tilzey to the effect that the Society's library would be moving to Fisheries House in Kent Street, Sydney in mid-September and that space had been created in the Fisheries library to receive the Society's material.

(c) Circular re Bulletin - the Secretary-Treasurer advised that a circular had been sent to all institutional members of the Society concerning the number of Bulletins which would be issued each year in the future.

(d) New Directory - Mr. Arnott reported that letters had been sent to universities, museums, colleges of advanced education and Society members inviting the return of information for the new Directory. Members of the Marine Sciences Association and the Australian Society for Fish Biology had also been invited to return Directory information. Mr. Arnott said that he was disappointed at the relatively small number of replies (65) received to-date. As a means of stimulating the return of information it was resolved that the President should write to all those who had not replied to the circular stressing the importance of the project and enclosing an envelope addressed to Monash University in which the replies could be returned.

(e) Natural History Medallion - the Secretary-Treasurer reported that he had written to the Secretary of the General Committee, Australian Natural History Medallion, nominating Dr. Edgar Riek for the Award and supplying appropriate documentation. He had been advised that the time for nominations is in February and that Dr. Riek would be a very worthy nominee for the 1973 Award. The nomination is to be made on special papers which will be supplied by the Natural History Medallion General Committee in early February. It was resolved that the President should write to Edgar Riek advising him of the situation.

(f) Donation - the Secretary-Treasurer said that the donation from ASTRA Chemicals had been acknowledged in an appropriate manner.

(g) Outstanding subscriptions - the Secretary-Treasurer reported that detailed statements of accounts had been sent to all members of the Society.

(h) Sustaining membership and Jolly Award - the President said that he had written personally to Dr. McMichael in relation to the Jolly Award. The Secretary-Treasurer said that he had received an acknowledgement from Dr. McMichael of the documents sent following the last meeting on this matter and he understood that the inaction on this matter was probably due to the fact that Dr. McMichael was overseas. The Secretary-Treasurer said that he would contact Dr. McMichael on a trip which he intended making to Sydney in the near future and discuss the subject.

(i) Information re waterfowl - the Secretary-Treasurer advised that the letter from Mr. B.J. Gilligan of New South Wales seeking information on waterfowl had been despatched for inclusion in the Newsletter.

(j) Calendar of Scientific Meetings - the Secretary-Treasurer said that he had not yet given the calendar of scientific meetings which had been received from the Academy of Science to Mr. Geddes but this would be done in the near future.

(k) Newsletter to Environment Information Centre - the Secretary-Treasurer reported that the Newsletter had been sent to the Environment Information Centre and that he had also advised that the Bulletin can be given only to members of the Society.

(l) Mining Industry Bulletin - it was resolved that relevant material from this Bulletin should be extracted and reproduced in the next Newsletter.

(m) Ban on supersonic aircraft - it was resolved that reference should be made to this matter in the next Newsletter.

(n) Lake Pedder - letters from the President of the Society to State Premiers and their replies appeared in the last Newsletter.

(o) Annual General Meeting - after discussion and examination of school holidays and university semester breaks, it was resolved that the time of the next Congress of the Society should be Friday, 11 May to Monday, 14 May 1973. It was agreed that the venue should be at Jamieson, Victoria, and that the Secretary-Treasurer should write to the proprietor of the hotel and confirm this date.

4. Correspondence - Joint Meeting: New Zealand Limnological Society

The Secretary-Treasurer read a letter from the Secretary of the New Zealand Limnological Society exploring the possibility of a joint conference with New Zealand Australian Societies with invited speakers on the general topic, "The Biology and Biogeography of Australasian Freshwater Organisms". A joint meeting was suggested for May 1973 in Nelson, New Zealand.

It was understood that our President was to receive further information from the New Zealand Society but this had not eventuated. After some discussion it was agreed that there was no possibility of a joint meeting because of the time clash with our own A.G.M. However, because of the probability of return air fares to New Zealand being substantially reduced in the near future, it was agreed that a joint meeting in New Zealand might be practical and that the proposal should be deferred to our next A.G.M. and approval sought to proceed with negotiations for a joint meeting.

5. Other business

(a) Newsletter - the Secretary-Treasurer said that he would need another 60 copies of the last issue of the Newsletter in order to fulfil the basic circulation requirements. It was resolved that an additional printing should be undertaken to meet this situation and that future printing of the Newsletter should be of 300 copies.

The publication of two books by Society members (Dr. Alan Weatherley and John Lake) was noted and it was agreed that it would be desirable to have reviews of both published in the Newsletter. The President undertook to initiate appropriate action.

It was suggested that appropriate sections from the I.B.P. report on freshwater should be included in the next Newsletter, providing permission from contributors could be obtained.

(b) The Bulletin - Dr. Hiscock reported that he had experienced difficulty in obtaining manuscripts from a number of people. This was not a new problem and he felt that it may be necessary to make more positive arrangements in order to ensure the submission of manuscripts before or soon after A.G.Ms.

The problem of printing the Bulletin and securing a first-class job at a reasonable price was discussed and it was resolved that the President and Dr. Hiscock should investigate fully the cost and quality aspects of printing the Bulletin and they should have full authority to choose an appropriate printer for the next issue.

It was decided that an overall policy on the Bulletin was clearly necessary and that this would be discussed and determined at the next A.G.M.

6. Date of next meeting

It was agreed that the next meeting of the Executive should be in early February 1973. The President closed the meeting and thanked members for their attendance.

Signed: J.C.F. Wharton
Secretary-Treasurer

TIMETABLE OF EVENTS FOR ANNUAL GENERAL MEETING

Friday	11 May	-	arrive Jamieson
Saturday	12 May	-	presentation of papers
	evening	-	annual dinner
Sunday	13 May	9.00-11.00 a.m.	- papers
		11.00-12.00 noon	- A.G.M.
		12.00- 1.30 p.m.	- riverside luncheon
		1.30- 3.00	- by bus to Snobs Creek
		3.00- 5.30	- inspection of Research Station
		5.30- 6.00	- refreshments
		6.00- 8.00	- barbecue

[Buses will leave Snobs Creek for return to Jamieson at 7.00 p.m. and at 8.00 p.m.]

Monday 14 May - Three field excursions will be available. One will involve a car trip to the old mining town of Woods Point and an inspection of the A1 gold mine. Another will be a lake or riverside inspection of fisheries management equipment in operation close to Jamieson and the third excursion will be by boat to points of interest on Lake Eildon.

Fourth Meeting of Executive Committee - 21 February 1973

Monash University

Present: Mr. G. Arnott
Dr. I.A.E. Bayly (by special invitation)
Mr. N. Ruello
Mr. J.C.F. Wharton (Secretary-Treasurer)
Dr. W.D. Williams (President)

Apologies: Dr. D.D. Francois, Mr. M. Geddes, Dr. I.D. Hiscock, Mr. D.D. Lynch, Dr. S. McGill, Dr. D.F. McMichael, Mr. H. Midgley, Mr. R. Tilzey

1. Confirmation of Minutes

The Minutes of the Third Meeting, which had been circulated, were confirmed.

2. Accounts

The Secretary-Treasurer reported that payments would be made to Mrs. T. McConnell for typing of Newsletter (10.3) and $3.00 to Mr. Geddes for the cost of the Newsletter cover.

3. Society finances

The Secretary-Treasurer reported that an amount of $1,125.00 stood to the credit of the General Account and the Publications Account was $87.00 in credit. He said that the overall response to the circular reminding members indivually of outstanding subscriptions had been very good.

4. Membership

The Secretary-Treasurer reported that the Society now had 126 ordinary financial members (including 36 new members for the financial year) and 66 institutional members (including eight new members for the present financial year).

5. Matters arising from Minutes

(a) New Directory - A second questionnaire, together with a letter from the President, was sent to all members who had not replied to the original circular. Mr. Arnott said that this action had produced some response and that he hoped the Directory

/would be

would be finalized before the next Congress. The method of presentation of Directory information and the printing process to be employed were discussed. It was pointed out that if printing costs for Bulletin No. 5 were very high, it may be necessary to consider a relatively cheap format for the Directory in order to conserve funds. It was decided that this question should be resolved by Dr. Hiscock and the President.

(b) Natural History Medallion - the President said that he had written to Dr. E. Riek advising him of his nomination by the Society for the Natural History Medallion. The Secretary-Treasurer reported that he had received papers from the Secretary of the Committee handling nominations and a great deal of information which could only be supplied by Dr. Riek himself was needed in order to complete them. The President agreed to contact Dr. Riek and with his assistance, complete the nomination forms and send them to the Committee.

(c) Sustaining membership and Jolly Award - the Secretary-Treasurer read a letter from Dr. McMichael who, with Mr. Ian Smalls, convened the Sub-committee meeting to consider sustaining membership and the Jolly Award. The letter from the Sub-committee contained the following advice:

SUSTAINING MEMBERSHIP: It was agreed that

(i) There should be Sustaining Members of the Society.

(ii) The objective of "Sustaining Membership" is to establish a source of funds, on a regular basis, from industry and commerce associated with the Society's interests, which will enable the Society to undertake some forward planning, especially for publications.

(iii) Sustaining Members may be individuals, companies or organisations, and shall be elected by the Executive Committee.

(iv) Any individual, company or organisation contributing the sum of $50.00 in any one year shall be eligible for election as a Sustaining Member, and such contributions shall be paid into the publications account.

(v) Sustaining Members will be acknowledged in all official publications of the Society, for a period of twelve months from the date of their contribution, and in such other manner as the Executive Committee may from time to time decide.

(vi) Sustaining Members shall have the right to nominate two persons who may enjoy all the privileges of membership, including the right to vote, but not to hold office, while Sustaining Membership is current.

It was further agreed that these provisions, if accepted, should be incorporated in the Constitution. Clause (v) above leaves to the Executive Committee the power to acknowledge Sustaining Members in such manner as they think fit. The Sub-committee believes that listing in official publications should be adequate, but if it is considered that some kind of certificate is desirable, then a competent designer should be commissioned to produce one.

The Sub-committee further recommends that a leaflet should be produced by the Society setting out its objectives, achievements and classes of membership, and including an application form for Ordinary and Sustaining Membership which could be torn off and mailed back.

THE JOLLY AWARD: It was agreed that

(i) The funds contributed by Dr. Hilary Jolly be paid into a special interest-bearing account of the Australian Society for Limnology.

(ii) This fund may be supplemented from time to time, by allocations from the general funds of the Society, or by further contributions from individuals, organisations or companies.

(iii) An annual sum may be allocated by the Executive Committee from this fund, to constitute an award to be known as the Hilary Jolly Award, such sum not to exceed $20.00 or ten per cent of the accumulated fund, whichever is the greater.

(iv) The award may be given to any individual who has made a significant contribution to any aspect of Limnology in Australia.

(v) The award may be given by decision of the Executive Committee on the recommendation of a Selection Committee, appointed by the Executive Committee.

(vi) Any member of the Society may nominate an individual for the award, in writing to the Secretary, who shall refer the nomination to the Selection Committee.

(vii) The Executive Committee shall retain the right not to make an award in any year.

Further, the Sub-committee recommends that the award should be generally in the form of an appropriate book, to be chosen by the recipient within the limit of funds available, and suitably inscribed.

It is recommended that a book plate be designed, by a competent designer, and printed, in a form suitable for use in successive years. This would require only the insertion of the name of the recipient and the date. It is felt that once a suitable design has been agreed upon a block could be made and small numbers printed from time to time as required.

If the Executive Committee agrees with this suggestion, Mr. R. Tilzey has volunteered to pursue the question of a suitable design.

The Executive Committee adopted all of the above recommendations of the Sub-committee and it was resolved that the Minutes of the Meeting should express sincere thanks to members of the Sub-committee for the very thorough consideration of these matters and the valuable recommendations.

In relation to Sustaining Membership it was resolved that the listing of Sustaining Members of the Society in its official publications would be adequate (as recommended by the Sub-committee) and that a certificate was not desirable. Because the recommendations for Sustaining Membership involved changes in the Constitution, it was resolved that they be referred to the next A.G.M.

In relation to the Sub-committee's recommendation for the Jolly Award it was resolved that the Committee should accept gratefully Mr. R. Tilzey's offer to pursue the question of a suitable design for a book plate and that the Secretary-Treasurer should advise Mr. Tilzey accordingly.

(d) Arrangements with the Proprietor of Court House Hotel, Jamieson, re A.G.M.

The Secretary-Treasurer advised that the Proprietor of the Court House Hotel had asked for some indication as to the number of members who might attend the A.G.M. The Secretary-Treasurer was asked to inform the Proprietor that the expected number was about 80.

(e) Newsletter review of books

The President reported that he had made arrangements with Drs R.K. Allen and R.M. McDowall to review books by Dr. Alan Weatherley (Academic Press) and John Lake (Nelson). Dr. Bayly suggested that the reviews might be published in the Bulletin and it was agreed that this proposal had merit and that it should be referred to the Editorial Committee for their consideration.

The inclusion of some material from the I.B.P. Report on Freshwater is now in the hands of the Newsletter Editor.

(f) The Bulletin

On the question of submission of manuscripts, the President convened an ad hoc meeting of the Editorial Committee and it was decided to advise those persons who wished to read a paper at Congress that a summary of the paper must be presented at the time of the Congress and that a full manuscript must be received within one month thereafter. The Editorial Committee also resolved that the attention of authors should be drawn to the C.S.I.R.O. publication "Guide to Authors" in the preparation of manuscripts.

6. Correspondence

(a) Letter from Tasmanian National Parks and Wildlife Service

The Secretary-Treasurer read a letter from the National Parks and Wildlife Service of Tasmania advising of the conditions of application which should be made in the event of any member of the Society wishing to undertake research work on Macquarie Island. It was resolved that this letter should be referred to the Editor of the Newsletter for inclusion in the next issue.

(b) Letter from Lake Pedder Action Committee

The Secretary-Treasurer read a letter from the Lake Pedder Action Committee seeking support for the campaign to save Lake Pedder. After some discussion it was agreed that the Society's views on the Lake Pedder issue were adequately expressed in the 10:2 issue of the Newsletter. It was resolved that the Secretary of the Lake Pedder Action Committee should be contacted and his attention drawn to the Society's views as expressed in the Newsletter.

(c) International Association on Water Pollution Research

The Secretary-Treasurer read correspondence from Mr. I.C. Smalls in relation to the Australian National Committee of the IAWPR. It was agreed that this information should be forwarded to the Editor of the Newsletter for inclusion of appropriate material in the next issue and that the Secretary should pay the annual dues of $20.00.

7. Other business

Arrangements for A.G.M.

Arrangements were discussed for the A.G.M. at Jamieson, Victoria, 11-14 May inclusive. It was agreed that the timetable of events for the A.G.M. would be finalised as soon as possible.

It was resolved that the Secretary should prepare a letter for distribution to all members giving information on the A.G.M. and requesting advice on accommodation requirements and information on any paper that may be presented. Members should be advised to forward information re papers by 15 April and accommodation requests as soon as possible.

8. Date of next Meeting

It was decided that the next Meeting of the Executive should be during the first week in April at Monash University.

Signed:

pp. J.C.F. Wharton
Secretary-Treasurer